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**CERTIFICATE OF HAND DELIVERY**  
I hereby certify that this correspondence is being hand delivered to U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202 on August 26, 2005.

Date: August 25, 2005 Name: Gustavo Siller, Jr. Signature: [Signature]

**BRINKS  
HOFER  
GILSON  
& LIONE**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Naoya Hasegawa ET AL.

Appln. No.: 10/079292

Filed: February 20, 2002

For: EXCHANGE COUPLED FILM  
HAVING IMPROVED CURRENT-  
CARRYING RELIABILITY AND  
IMPROVED RATE OF CHANGE  
IN RESISTANCE AND  
MAGNETIC SENSING ELEMENT  
USING SAME

Attorney Docket No: 9281-4288

Examiner: Christopher R.  
Magee

Art Unit: 2653

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL

Sir:

**Attached is/are:**

- Transmittal Letter (in duplicate); Check for \$180; Second Supplemental Information Disclosure Statement; PTO-1449; Copy of Japanese Office Action for corresponding Japanese Patent Application 2001-042908; Copy of Reference B7
- Return Receipt Postcard

**Fee calculation:**

- No additional fee is required.
- A petition or processing fee in an amount of \$ \_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_\_.)
- An additional filing fee has been calculated as shown below:

	Claims Remaining After Amendment	Minus	Highest No. Previously Paid For	Present Extra	Small Entity		Not a Small Entity		
					Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Presentation of Multiple Dep. Claim					+\$180=			+\$360=	
					Total	\$	Total	\$	

**Fee payment:**

- A check in the amount of \$180 is enclosed.
- Please charge Deposit Account No. 23-1925 in the amount of \$ \_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.
- The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

August 25, 2005  
Date

Gustavo Siller, Jr. (Reg. No. 32,305)



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SAME

Attorney Docket No: 9281-4288

Examiner: Christopher R.  
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**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(c), Applicants hereby cite the following reference(s):

No.	Date of Publication
6,879,472	04-2005
6,678,128	01-2004
6,577,477	06-2003
6,498,707	12-2002
5,731,936	03-1998
6,387,548	05/2002
2000-150235	05-2000

Applicants is enclosing Form PTO-1449 (one sheet), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). As each of the listed references is in English, no further commentary is believed to be necessary,

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JULY 18 2006

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37 C.F.R §1.98(a)(3). Also enclosed is a copy of an office action for corresponding Japanese Patent Application 2001-042908. Applicants respectfully request the Examiner's consideration of the above reference(s) and entry thereof into the record of this application.

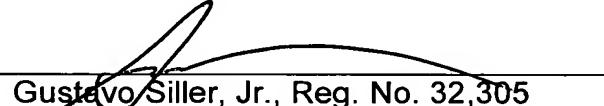
U.S. Patent Application 6,387,548 corresponds to Japanese Patent Application No. 11-191647 but does not include the discussion regarding heat treatment discussed in the Japanese Patent No. '647 patent.

By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

Applicant has calculated a processing fee in the amount of \$180.00 to be due under 37 C.F.R. §1.17(p) in connection with the filing of this Statement. Applicant has enclosed a check covering this fee, or authorized charging the fee to a deposit account or credit card, as indicated in the Transmittal accompanying this Statement.

Respectfully submitted,

August 25, 2005  
Date

  
Gustavo Siller, Jr., Reg. No. 32,305



FORM PTO-1449		SERIAL NO.	CASE NO.
		10/079,292	9281-4288
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (use several sheets if necessary)		FILING DATE	GROUP ART UNIT 2653
		APPLICANTS: Naoya Hasegawa et al.	

## **REFERENCE DESIGNATION**

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES      NO
	B7	2000-150235	05-2000	Japan		X

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.